

# ADAP-KOOL® Case Control Solutions for **Food Retail** **Applications**



**ADAP-KOOL® the way you work.  
Improved user experience and energy savings.**



## AK-CC55 Case controllers

- Best-in-class energy savings
- Simplified installation and service
- Suitable for any store size

[Click here to read about  
evaporator and room control](#)



## EKC 22X controllers

- Entry-level case controllers
- Versatile application coverage

[Click here to read about  
EKC 223/EKC 224](#)



## AK-UI55 Displays

- Easy to connect to the AK-CC55 platform
- Access parameters via Bluetooth and mobile app

[Click here to access  
display product store](#)



## AKVP – electric expansion valve

- Latest MOPD update ensures it meets customer needs

[Click here to read  
more about AKVP](#)



## AKS 32R pressure transmitter

- A ratiometric pressure transmitter with linear output signal.

[Click here to read about AKS  
32R pressure transmitter](#)

## AKS 11 Color coded temperature sensors



- Color coded for convenient probe identification and installation

[Click here to access  
temperature sensors](#)

## Uncompromised food safety. Highest energy and operational costs savings.



### AK-CC55 Connect app

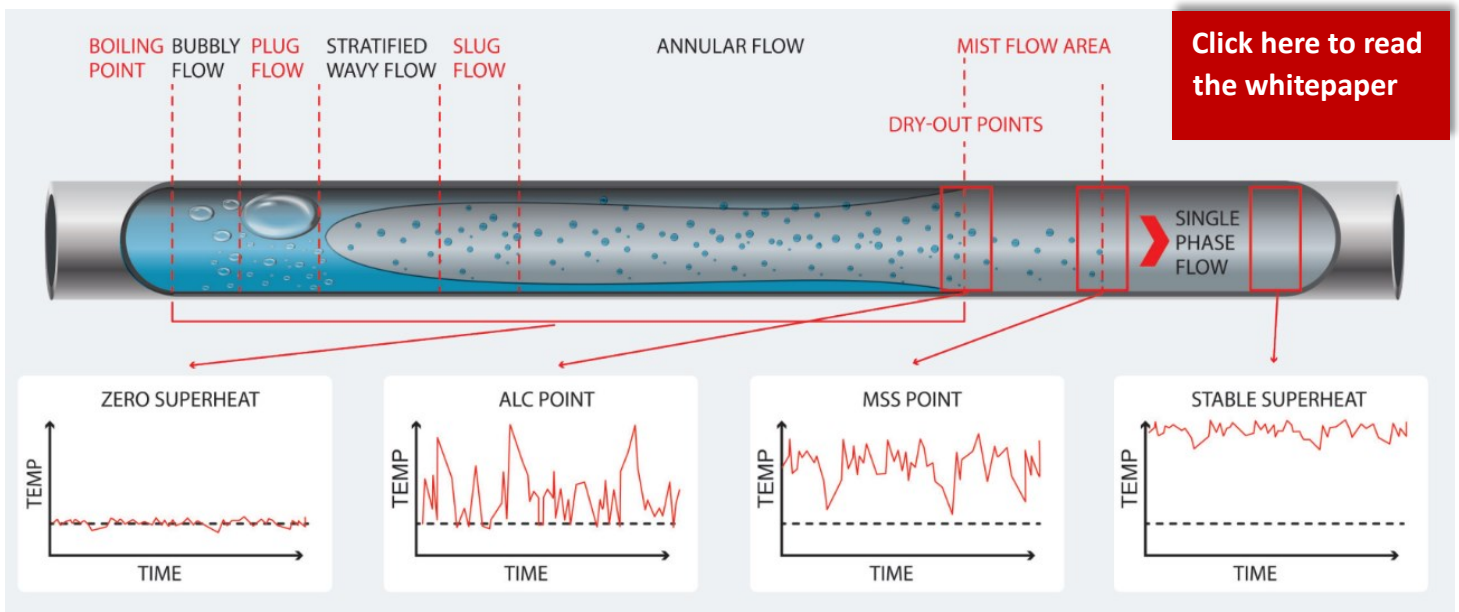
- Simplified and convenient controller configuration via Bluetooth & mobile app
- Best-in-class User Experience
- Advanced troubleshooting with alarm history.
- Detailed data log and event logs.

[Click here to read about AK-CC55 Connect app](#)



[Click here to read the brochure ADAP-KOOL® Case Controllers](#)

## Selecting the right evaporator injection algorithm makes a world of difference.



### Adaptive Superheat Control (MSS): maximum efficiency for dry expansion evaporators

With Minimum Stable Superheat Control (MSS), utilization of the evaporator surface is maximized while ensuring that no liquid exits the evaporator. The MSS algorithm, in combination with suction pressure optimization, delivers maximum system efficiency in systems with dry expansion.

### Adaptive Liquid Control (ALC): maximum efficiency for “semi flooded” evaporators

The ALC algorithm, typically used in transcritical CO<sub>2</sub> systems with a suction accumulator and liquid ejectors, injects greater amounts of refrigerant into the evaporator, fully utilizing the entire surface and reducing SH practically to zero, thus enabling up to 5 Kelvin higher evaporating temperatures compared to MSS.